

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Kazue YOSHIDA et al.  
Title: HEAT EXCHANGER FOR FUEL  
CELL SYSTEM  
Appl. No.: Unassigned  
Filing Date: February 5, 2002  
Examiner: Unassigned  
Art Unit: Unassigned



**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Kazue YOSHIDA

Hiroki YOSHIOKA

Enclosed are:

- [ X ] Specification, Claim(s), and Abstract (33 pages).
- [ X ] Formal drawings (17 sheets, Figures 1-23).
- [ X ] Application Data Sheet (37 CFR 1.76) (4 pages).
- [ X ] Declaration and Power of Attorney (4 pages).
- [ X ] Information Disclosure Statement (2 pages).
- [ X ] Form PTO-1449 (1 page) with a copy of the 1 listed reference(s).
- [ X ] Assignment of invention to Calsonic Kansei Corporation (2 pages).
- [ X ] Assignment Recordation cover sheet (1 page).

The filing fee is calculated below:

|   | Claims<br>as Filed | Included in<br>Basic Fee | Extra<br>Claims | Rate   | Fee<br>Totals |
|---|--------------------|--------------------------|-----------------|--|---------------|
| Basic Fee   |                    |                          |                 | \$740.00                                       | \$740.00      |
| Total Claims:   | 11                 | - 20                     | = 0             | x \$18.00                                      | = \$0.00      |
| Independents:   | 1                  | - 3                      | = 0             | x \$84.00                                      | = \$0.00      |
| If any Multiple Dependent Claim(s) present:   |                    |                          |                 | + \$280.00                                     | = \$0.00      |
| Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee |                    |                          |                 | + \$130.00                                     | = \$0.00      |
|   |                    |                          |                 | SUBTOTAL:                                      | = \$740.00    |
|   |                    |                          |                 | Assignment Recordation Fee:                    | = \$40.00     |
|   |                    |                          |                 | Small Entity Fees Apply (subtract ½ of above): | = \$0.00      |
|   |                    |                          |                 | TOTAL FILING FEE:                              | = \$780.00    |

- ☒ A check in the amount of \$780.00 to cover the filing fee is enclosed.
- ☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By  34321

Richard L. Schwaab  
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Date: February 5, 2002

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